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Thesis Title:

Investigation of molecular mechanisms regulating biomineralization of pearl oyster *Pinctada maxima*.

Supervisors:

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Citation:

Biomineralization is a widespread process encompassing any mineralization within an organism, the most dynamic example of which is the organically mediated formation of pearl oyster shell. Despite the prevalence of biomineralization little is known of biological controls underlying this process. This thesis is a pioneering work uncovering the molecular mechanisms which mediate this remarkable process using advanced molecular biological techniques and analysis.